

To: Brobst, Bob[Brobst.Bob@epa.gov]
From: Graham, Richard
Sent: Wed 8/12/2015 7:45:20 PM
Subject: FW: long term sediment strategy

-----Original Message-----

From: Stevenson, Peter
Sent: Tuesday, August 11, 2015 6:24 AM
To: Ostrander, David; Dhieux, Joyel; Myers, Craig; Graham, Richard; Wall, Dan
Subject: RE: long term sediment strategy

Deliberative Process/Ex. 5

Deliberative Process/Ex. 5 I am working up a canyon with no cell service so I will check back in this evening unless I can break away from the site. I have cell service about 25 miles from the site on top of a pass.

-----Original Message-----

From: Ostrander, David
Sent: Monday, August 10, 2015 9:54 PM
To: Stevenson, Peter; Dhieux, Joyel; Myers, Craig
Subject: Re: long term sediment strategy

I need help in crafting a short plan, a few sentences on what our strategy will look like. Early in the morning if we can

Sent from my iPad

> On Aug 10, 2015, at 8:40 PM, Stevenson, Peter <Stevenson.Peter@epa.gov> wrote:

>

> The field sampling plan has provisions for collecting sediment samples and defers to an SOP that was developed by ERT. Typically we use spoons or similar devices to scoop up sediment from the surface of the sediment to about 2" in depth. However, the yellow boy deposited by the Gold King blow out has deposited on rocks and sand beds and what not and is maybe a millimeter thick. There may still be a substantial deposit of it up on the gravel beds on Butch's farm that could be scraped up. The gravel beds are at the mouth of the canyon where the river flattens out for the first time. Butch wanted to sample it but neither of us could find the time. You could document what is in the yellow boy (Fe, Mn, Ca, Mg, Pb, Zn, As, Cd, etc.). Otherwise the standard procedure of sediment collection may be viewed by the locals as somewhat inadequate as a procedure to characterize the thin layer of yellow boy visible on the rocks and sandbars above and below the waterline.

>

> Sent from my iPhone

>

>> On Aug 10, 2015, at 5:40 PM, Ostrander, David <Ostrander.David@epa.gov> wrote:

>>

>> I got orders to have this and our process for reopening the river to HQ a sap

>>

>> Sent from my iPhone

>>

>>> On Aug 10, 2015, at 4:42 PM, Stevenson, Peter <Stevenson.Peter@epa.gov> wrote:

>>>

>>> I forwarded this to Dan Wall, Fisheries Ecologist. We need to make sure he is in the loop for all long

term monitoring.

>>>

>>> -----Original Message-----

>>> From: Ostrander, David

>>> Sent: Monday, August 10, 2015 2:22 PM

>>> To: Dhieux, Joyel; Stevenson, Peter; McKean, Deborah; Cristiano, Gina; Merritt, Steven

>>> Subject: long term sediment strategy

>>>

>>> All; Mathy has asked what our long term strategy for sediments. Is this statement ok?

>>>

>>>

Deliberative Process/Ex. 5

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>>> Sent from my iPad